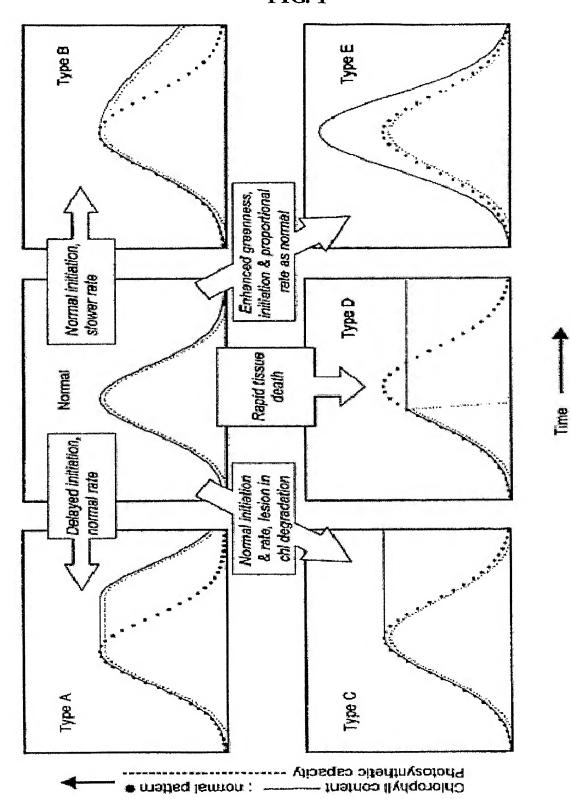
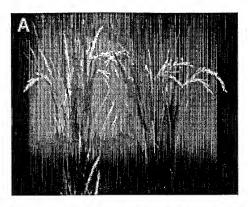
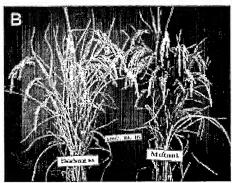
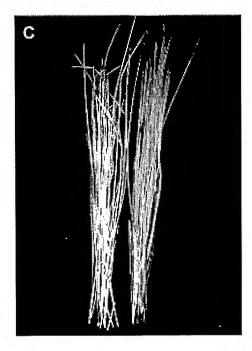
1/21 FIG. 1

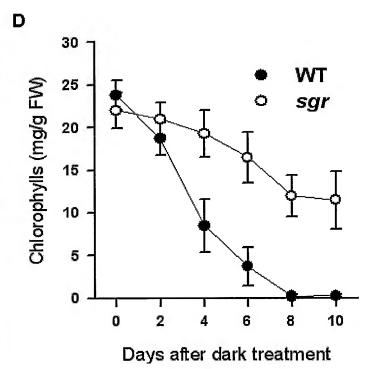


2/21 FIG. 2

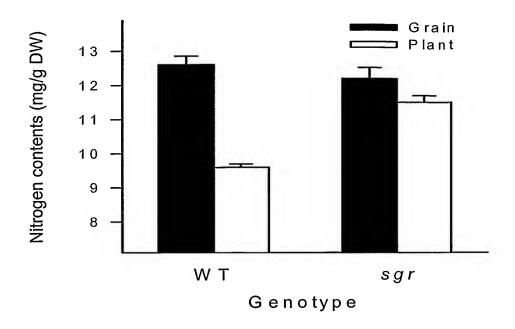


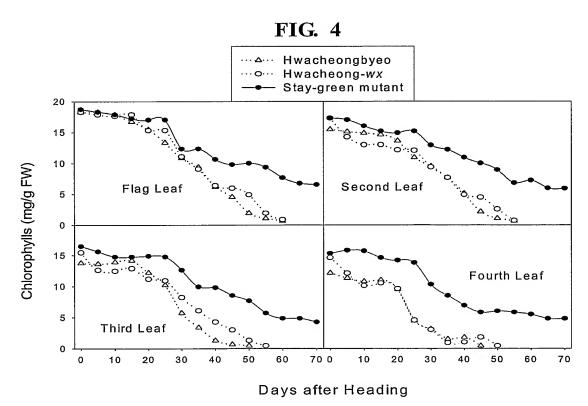




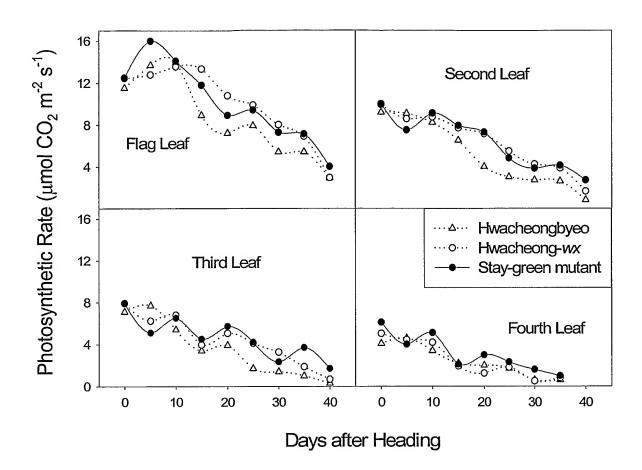


3/21 FIG. 3

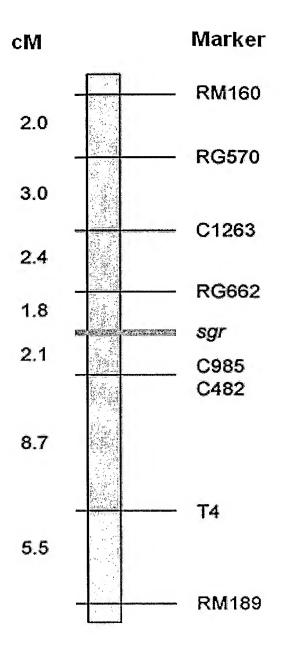




4/21 FIG. 5



5/21 FIG. 6

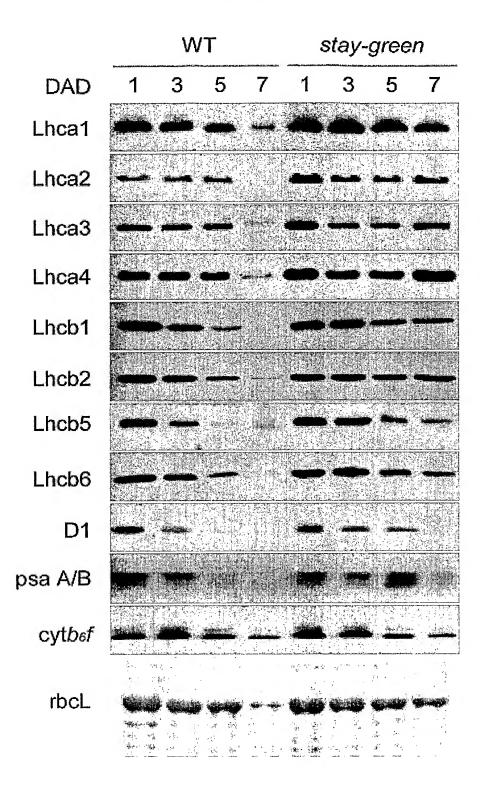


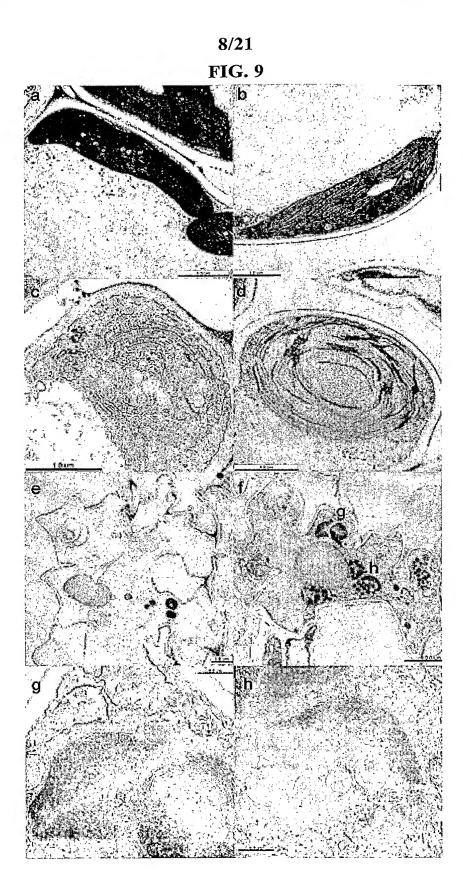
**FIG.** 7 Chl a Chl a Chl b stay-green (6-day dark treatment) Hwacheong-wx (6-day dark treatment) DAD1 A. Sig=665.16 Ref=off(P. Chla Chl b Standard compounds Pheo a

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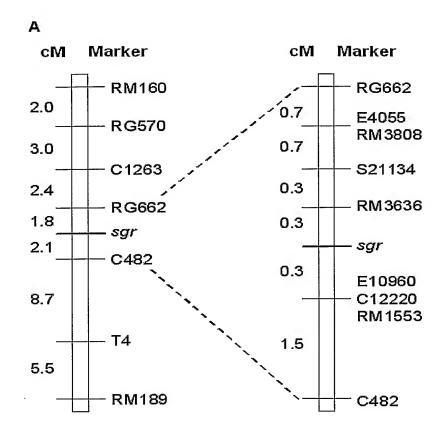
HPLC Running Time (min)

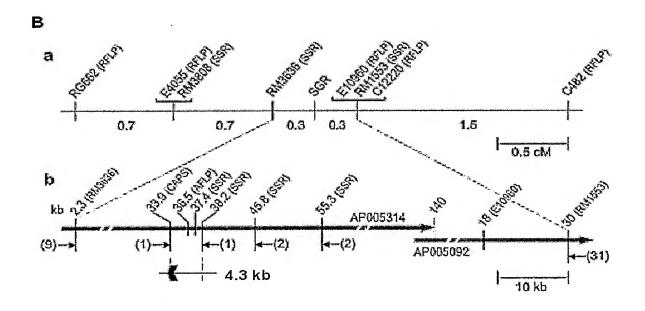
7/21 FIG. 8





9/21 FIG. 10





#### 10/21

#### FIG. 11

AP005314     sgr	289 ctggcsgtstcgcacaccatcaaccgggcgcagctgcaggggtggtacaacaagctgcag 348
AP005314     sgr F <sub>2</sub> (844)	289 ctggcggtgtcgcacaccatcaaccgggcgcagctgcaggggggtggtacaacaagctgcag 348
AP005314    Hwacheong-wx (japonica)  AP005314    Milyang23 (indica)	289 ctggcggtgtgcacaccatcaaccgggcgcagctgcaggggggtggtacaacaagctgcag 348 585 ctggcggtgtgcacaccatcaaccgggcgcagctgcaggggggtggtacaacaagctgcag 526  289 ctggcggtgtcgcacaccatcaaccgggcgcagctgcagggggggg

#### FIG. 12

1 <u>MAAATSTMSLLPPITQQQRWHAADSLVVLASRCHNSRRRRRCRYVVPR</u>AR 50 chloroplast-targeting signal peptide

(gtg)

51 LFGPAIFEASKLKVLFLGVDEEKHQHPGKLPRTYTLTHSDVTARLTLA<u>V</u>S 100 <u>M</u> (<u>a</u>tg) (missense mutation)

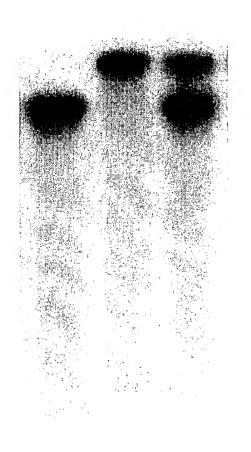
- 101 HTINRAQLQGWYNKLQRDEVVAEWKKVQGHMSLHVHCHISGGHVLLDLIA 150
- 151 GLRYYIFRKELPVVLKAFVHGDGNLFSRHPELEEATVWVYFHSNLPRFNR 200
- 201 VECWGPLRDAGAPPEEDDAVAAAAAEEAAAEQMPAAGEWPRRCPGQCDCC 250
- 251 FPPYSLIPWPHOHDVAAADGOPOO 274

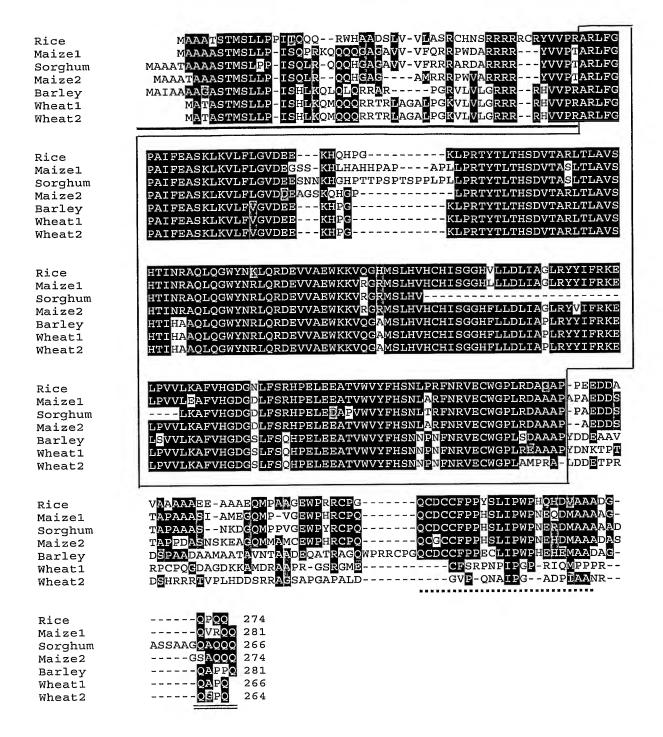
11/21
FIG. 13

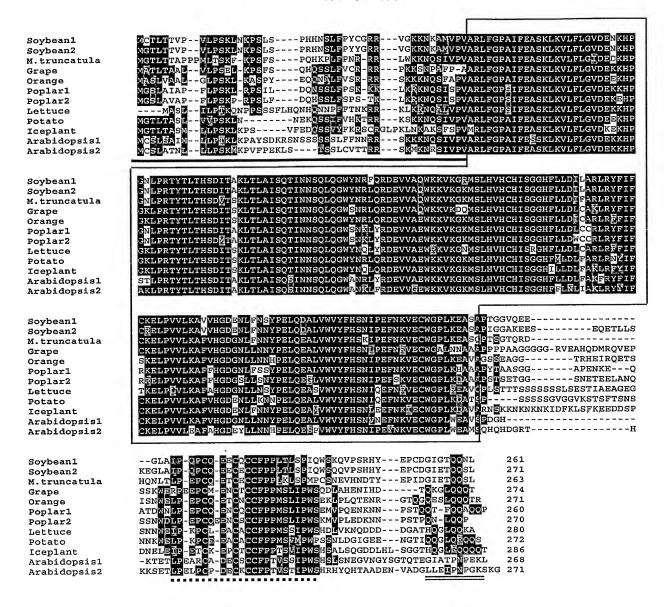
Darkness (days)

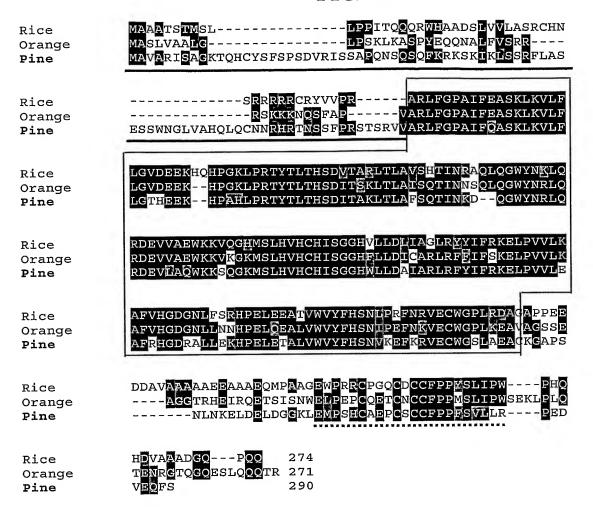
0 2 4 6 8

12/21 FIG. 15 sgr M23 F<sub>1</sub> J I H

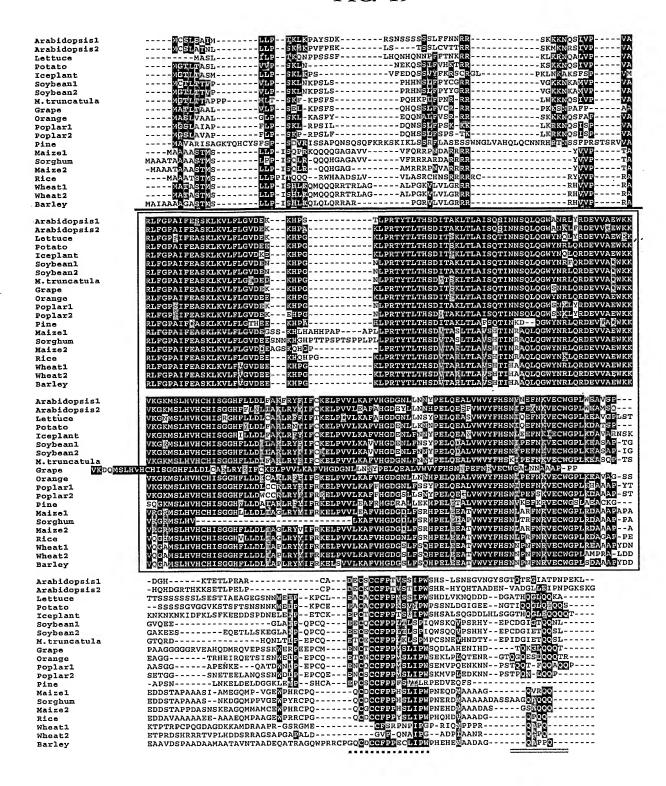


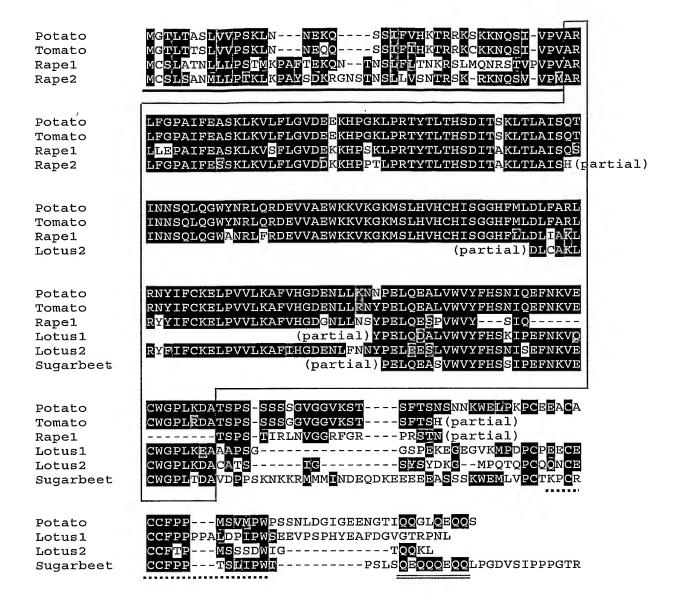






16/21 FIG. 19





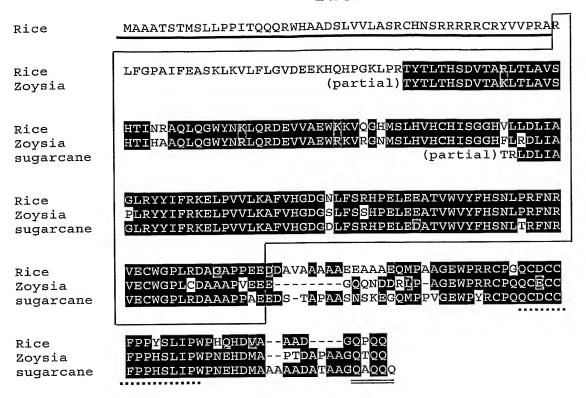
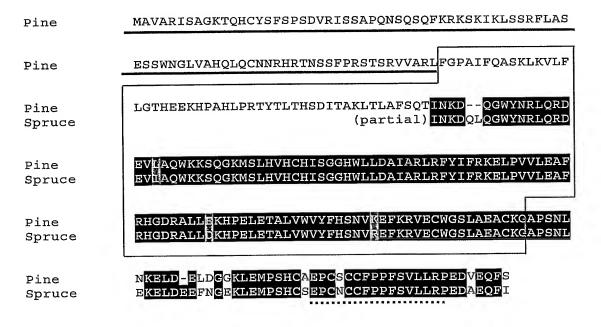


FIG. 22



19/21 FIG. 23

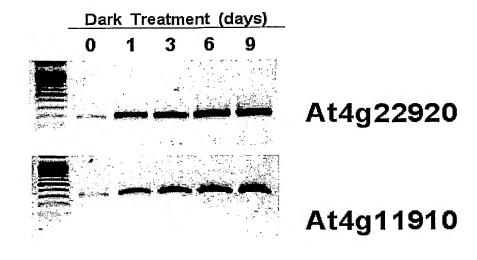
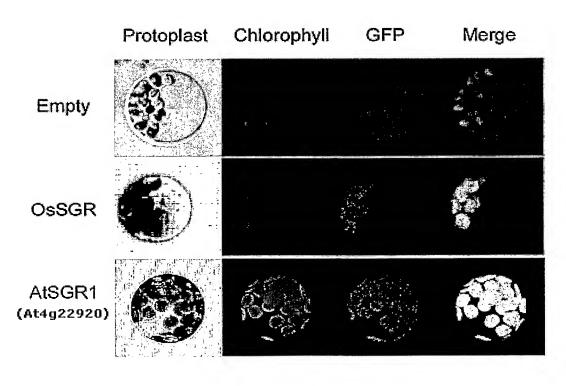
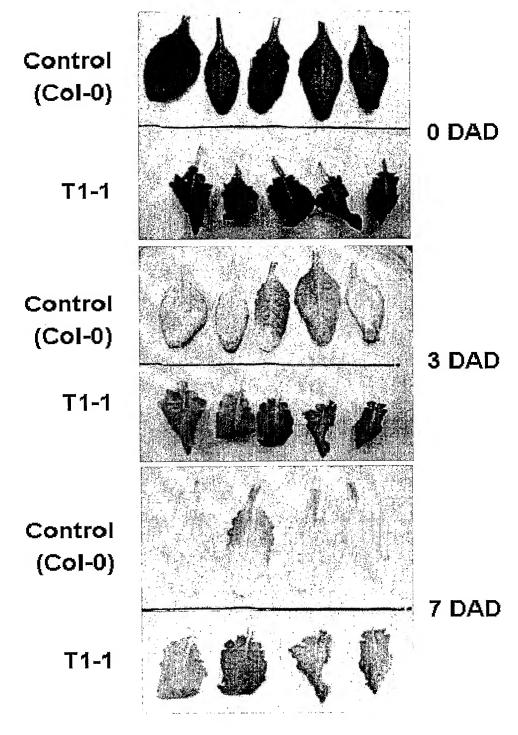


FIG. 24







21/21 FIG. 26

